

CERES Data Management Team Minutes for 08/28/2002

Schedule:

08/27-29/02 LMS Audit (CERES on 08/27/02)
08/30/02 PR Deadline for >\$100k
08/30/02 Status check of remaining files on DMSS by account name
09/17-19/02 27th CERES Science Team meeting, Princeton, NJ

Ongoing Activities:

B1250 Rehab (Planned completion ~11/2003)
Workstation Modernization Program (Planned completion ~01/2003)

Priority Items:

- 6x Processing Clouds in ASDC by May (validation required)
- Warlock to fully operational status to handle ramp-up of processing load.
- Re-staging of data at ASDC to support faster processing/re-processing
- Clouds Computing Environment upgrade
- Migration of files off DMSS

Announcements:

- Computer Security issues are having an impact on IT operations.
- NPOESS awarded to TRW
- ERBE operations continued. Source of funding for science data is not apparent.
 - Solar calibration maneuver in September 2002
 - Transition of operations to UAR in progress
- TERRA deep space calibration maneuver in December 2002
- AQUA deep space calibration maneuver in May 2003

Standing Committee Reports

(These notes supplement the reports posted by the various Committee's on the CERES DMT status page.)

Agenda	Committee	Responsibility	Updated	Status/Issues
1.00	ASDC/ECS Interfaces	Hopson/Sorlie/ Direskeneli	08/28/02	<p>Correction to Status Report: PR 61-02 is for 13 months of data and is Planned, not Complete. Action: ASDC to replace status report on CERES web site.</p> <p>As noted on Status Report, corrected coefficients have necessitated reprocessing of PR 41-02 to PR 46-02.</p> <p>APGS Overview seminar to be held at ASDC on 09/11/02 at 11am.</p> <p>LaTIS Archive continues to crash with cause unknown; SGI analysis in progress.</p> <p>Additional 20GB tapes arrived but had incorrect labels; tapes are being altered to re-use old labels this week.</p> <p>Data has been deleted from archive per E. Geier review, freeing up 200 tapes.</p> <p>Model 9940 60G tape drives are not working with AMASS. Use of SCSI-fiber bridge failed. Fiber drives are being replaced with the SCSI model.</p> <p>Archive robotics have 2 weeks of fault-free performance.</p> <p>Analysis of archive corrupted data files is complete. About 7% (20,000 files) from the period are corrupt.</p> <p>Requirements for replacement are in evaluation: some have been deleted by E. Geier, some have working back-up copy. Replacement is expected to be complete by TBD</p> <p>Empty directories have been identified, which result when the request to delete datasets does not include the request to delete directory, as well.</p> <p>New samantha is undergoing SSI&T with subsystem testing</p>

				expected to start on 09/04/02.
2.00	SCF	Flippo	08/28/02	LaRC VPN Service is ready, but not in production status. Recent network outage created by improperly configured DHCP server elsewhere at LaRC. asdsun was delayed in upgrading to Solaris 8 due to metadb files for large file system. An option is to wait to upgrade for the replacement machine. User account re-validation is in progress for all users. IDL v5.5 upgrade is available and needs testing.
3.00	Toolkit	Flippo	08/28/02	v5.2.8.2v2 uses static libraries. v5.2.8v1 uses dynamic libraries.
4.00	System Issues			
4.01	Processing Strategy	Geier	07/03/02	No additional information was provided.
4.02	Documentation Issues	Costulis	08/28/02	Draft Documentation CM Procedures received and should be integrated into Delivery Process review
4.03	Systems Engineering Committee	Nolan/Sorlie/ Hopson/ Ayers/Cooper	08/28/02	Action: study Delivery Process, end-to-end: (1) reduce time (2) improve communications (3) make easier without compromising integrity (4) eliminate duplication (5) integrate doc CM into process.
4.04	Configuration Management & SCCR/DCCR Review	Ayers/Franklin/ Saunders	08/28/02	No SCCRs required discussion
5.00	Working Group Status			(See posted Subsystem Status Reports)
5.01	External Interfaces- Instrument	Hess	08/28/02	Terra-Aqua intercalibration was accomplished on 08/22/02. M. Cisewski is responsible for Aqua, Terra operations.
5.01	External Interfaces- Data Sources	Sorlie	08/28/02	GEOS-4 transition will occur by 10/31/02 with data from GEOS-3 and GEOS-4 available during October, 2002. Terra continues to miss attitude/ephemeris and L0 data. Aqua attitude/ephemeris data under new file naming convention to duplicate original files by 09/11/02.
5.01	External Interfaces-	Detweiler	08/28/02	Action: E. Geier to validate Science Team list.

	Customers			
5.02	Simulator	Chapman	05/22/02	No additional information was provided.
5.03	Visualization/ Validation Tools	Lee	07/03/02	No additional information was provided.
5.04	Instrument (SS 1)	Escuadra/Cooper/ Hess/Spence/ Szewczyk/Filer	08/28/02	Reprocessed Terra Instrument ValR1 will be checked before starting Terra Instrument Edition2. Toolkit 5.2.8.v1 testing is complete. AQUA increased telemetry overlap by 8k CADU's on Day 232 from 1352 to 1843. This was a minor improvement to CERES missing L0 data. Taylor Hale asked that CERES check the requirement for precision in ephemeris data. The RTODS has a spike in velocity which is causing it to generate results within 16-26m; but they have a requirement to be within 20m. This was not a CERES requirement.
5.05	ERBE-like (SS 2, SS3)	Kizer/ Walikainen/ Robbins	08/28/02	Toolkit 5.2.8.v1 testing is complete.
5.06	Clouds (SS 4.1, 4.2, 4.3)	Sun-Mack	08/28/02	Toolkit 5.2.8.v1 testing is complete. Machines are in B1250 to upgrade Clouds workstations; paperwork pending COTR signature.
5.06	Clouds (SS 4.4)	Miller	08/28/02	Toolkit 5.2.8.v1 testing is complete. DMSS data file transfer complete.
5.07	Inversion (SS 4.5, 4.6)	Nolan	08/28/02	Toolkit 5.2.8.v1 testing will be complete by 09/06/02.
5.08	SARB (SS 5.0, 7.2, 12.0)	Coleman	08/28/02	ECMWF data is complete as received; missing data feeding MOA due to processing problem and has been fixed with no code changes required. Toolkit 5.2.8.v1 testing is complete. Transition to GEOS-4 will be completed by 10/31/02. Sample testing to occur in 09/02.

5.09	TISA -(SS 6.0, 9.0) Gridding	Raju	08/28/02	Toolkit 5.2.8.v1 testing will be complete by 09/06/02.
5.09	TISA - (SS 11.0) GGEO	Stassi	08/28/02	Delivery scheduled for 08/16/02 now on 08/30/02. Toolkit 5.2.8.v1 testing will be complete by 09/06/02.
5.09	TISA -(SS10.0, 8.0) Averaging	Nguyen	08/28/02	Toolkit 5.2.8.v1 testing is complete. Action: Examine feasibility of running several months in parallel; however there may be interference in overwriting temporary files by running different months at the same time.
5.10	CERESlib	Stassi	08/28/02	Toolkit 5.2.8.v1 testing will be complete. soon. Next CERESlib delivery will be 09/06/02.